

## S6E-5A

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1. (a) No  
(b) Yes;  $d = 6$   
(c) Yes;  $d = -17$
2. (a) Yes;  $d = 4$   
(b) No
3. (a)  $T_n = 6n - 4$   
 $T_9 = 50$   
(b)  $T_n = 45 - 4n$   
 $T_9 = 9$
4.  $91 - 5n$
5. (a) 19  
(b) Number of positive terms = 15  
Smallest positive term = 1
- (c) No
6. (a) 15  
(b) -61  
(c) -460
7. First term = 6 , Number of terms = 20
8. (a) \$87650  
(b) \$101950
9.  $98^\circ, 108^\circ, 118^\circ, 128^\circ$
- M.C.
1. A  
2. B  
3. D